CENTRAL INTELLIGENCE AGENCY

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COUNTRY Poland

SUBJECT Polish Purchases of Iron Ore

REPORT

DATE DISTR. April 8, 1957

NO. PAGES 1

REQUIREMENT NO. RD

REFERENCES

DATE OF INFO.

PLACE & DATE ACQ

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STATE	ARMY	NAVY	AIR	FBI	AEC				
X	X	X	X						

(Note: Washington distribution indicated by "X"; Field distribution by "#".)

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Lenin Metallurgical Plant — Assortment Calculation — June 1955 — 2

Plant — Symbol — Month — Year — page

Rolling mill: Blooming — Total production: finish rolled accepted

Name of department — Symbol — " " rejected

Total Department total

A. Charge - Waste - Rejects - Gain

Group	Position of Costs	Symbol of position of costs	Quantity kg	Price zl/t	Value zl	For 1 ton of production kg	zl
Basic Materials	Ingot from open hearth steel						
	Total						
	Total foreign ingots						
	Total						
Production in Progress	at the beginning of the period						
	total including production at the beginning of the period						
	at the end of the period						
	Total						
	Immediate raw materials						
	Deviations from planned prices						
	Purchase costs						
	Cost of preparing the charge						
	Gross cost of the charge						
Scraps	Scraps						
	"Grzewczy" [heating?] slag						
	Scales						
	Unusable wastes						
	Total						

	sole fault of the department	
	fault of the department	
Rejects	fault of the department	
	fault of the supplier	
	Total	
	Total scraps and rejects	

Production -- yield

	Group of costs	Machining Position of costs	Symbol of position of costs	Month reported	Machining costs: Production in progress at the beginning of the period	Machining costs: Production in progress at the end of the period	Rejects	Finished z/t acceptable production
B. Machining	Production wages	Direct production wages						
		Social insurance from production wages						
		Total						
	Department costs	Machine and equipment operation costs						
		Overall departmental costs						
		Total						
	Special costs	Accepted as rejects due to fault of steel mill						
		Other special costs						
		Total						
		Total Machining Costs						

C. Final loss due to rejects

Departmental cost

D. C Overall factory cost

Factory cost

E. Establishment cost according to type

	percentage sale price	sale value for types	Actual production kg	Equivalents	Calculated production	Real costs zl	Departmental zl/t
Type I - quality							
Type II -							
Type III -							
Type IV -							
Total							

F. Figuring costs of rejects on account 161

	Reject costs in zloty				
	Charge	Machining	Total	Value of scrap from rejects	Final loss from rejects
Cost of rejects due to individual fault					
" " " " " departmental fault					
" " " " " " "					
" " " " " " "					
" " " " " suppliers fault					
" " " " " " "					
" " " " " " "					
Total					
Difference resulting from reclassification of products					
Debits from rejects confirmed by others					
Total					

Lenin Metallurgical

Assortment Calculation — June 1955 (Month)

Plant — Symbol

Blast Furnaces — Calculation group — Open hearth pig iron

Blast Furnace No — Name — Symbol — page 1

Production Cost Positions Name	Yearly plan For 1 ton of production			Month reported Iron			Since beginning of the year Costs of month reported			Deviations For 1 ton of production				
	Norm kg/t	Price	zl/t	Quantity kg	% content	kg/t	Quantity tons	Price zl/t	Value zl	For 1 ton production kg/t	zl/t	kg/t	price	zl/t
Domestic Ores														
Calcinated														
Calcinated acidic														
Crude siderite														
Brown "Bozy Dar"														
Hematite "Staszic"														
Oxidized														
Brown														
Total														
Foreign ores (ore type according to separate specification)														
Krivoy Rog Iron														
GDR Iron														
" " C2														
" " D														
" " A														
" " A Mn														
Low manganese														
High manganese														
Total														

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Domestic Agglomerate
Ore mixture

Metal additives
slag: Open-hearth slag
"Grzewny"(heating)slag
Ferro-manganized slag
Total
scrap: Coagulates
Total
Total

Iron yielding mixture
Yield from iron yielding mixture

Fluxes: Crude dolomite
Limestone
Total

Purchase costs
Costs of preparing charge
Deviations from planned costs
Total
Total mixture cost

Estimate: Yield from total mixture
Blast furnace powder
Coagulates
Total

Production(yield)
Technical fuel — Blast Furns: Blast furnace coke: Foreign coke (dry price)
Domestic coke " "
Total

Losses due to coke crushing
Purchase costs and deviations from planned prices
Total

Used for blast furnaces(statys.?)
Used by other departments(estimates)*
Purifying gas(full debit cost)
Net fuel (1000 cubic meters)

Manufacture — Prod. costs: Immediate production wages
Socialised insurance from production wages
Total

Special Dept. costs: Cost of operating machines and equipment
Overall department costs
Total

Cost of beginning new production
Other costs
Total

Departmental cost
Overall factory costs
Total actual factory cost for pig iron prod.
Including: liquid pig iron for the steel mill
crude steel for storage of finished products-for prod. of commodities

1. Calculation of wet to dry coke

1.)Wet Coke

No	Text	Domestic	Foreign	Total
1.	Quantity			
2.	Price zl/t			
3.	Value			

2.)Dry Coke

No	Text	Domestic	Foreign	Total
1.	Quantity			
2.	Price			
3.	**)			

2. Loss due to crumbled coke

No	Coke	Quantity	Price zl/t	Value zl
1.	Crumbled			
2.	Coal dust			
3.	Loss			
4.				
5.	Total			

* after cost of purifying gas
** value same as in column 3

Lenin Metallurgical Plant

Assortment Calculation of Steel

Open hearth steel(ingots)

Name

(All other headings are the same as those on form KA-2 with the exception of columns 2 and 9 which read: % wsadu metalicznego - percent of metal charge)

		1
MATERIALS BASIC	Pig iron	Liquid pig iron from the mixer
		" " " " " blast furnaces
		Solid " "
		" " " foreign
		Hematite pig iron
		Total
	Scrap	Scrap from the steel mill
		Inter-departmental metallurgical scrap (unintelligible)
		Foreign packaged scrap melting loss
		Unpackaged scrap rolling mill scraps
		Cpagulates, billets
		Total
	Metal additives	Quantity of iron in the ore of 100 % content
		Open-hearth pig iron
		Blast furnace ferro-manganese
		Melted ferro-manganese
		Ferro-silicon
		Aluminium
		Silicon-manganese
		Ferro-phosphorus
		Total
		Total metal charge costs
		Deviations from planned prices
		Material purchase costs
		Cost of preparing the charge
		Total
		Billets and coagulates
		Production scrap
		Slag(including slag for blast furnaces)

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Calculation -- Ingots

1. **Needed for one ton of pig iron:**

2 tons of iron ore	@ $15 per ton --	$30
0.7 tons of flux(18 zloty domestic price)		
1.1 tons of coke	@ $18 per ton	$19.80
		$49.80

2. **Needed for one ton of open hearth steel**

0.620 tons of iron ore	@ $49.8 per ton --	$29.08
0.480 tons of scrap	@ $40.0 " " --	$20.00
0.020 tons of added metals	@ $120 per ton --	$ 2.40
0.080 tons of Fe ore	@ $15.0 per ton --	$ 1.20
		$52.68

3. **Needed for one ton of blooms:**

1.150 tons of open hearth steel @ $52.68 per ton -- $60.58

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Production rejects

Production(yield)

Additive materials

Limestone
Burnt lime
Fluorite
Bauxite
Raw dolomite
Foreign burnt magnesite
Foreign bulk magnesite
Ground slag
Electrode scraps
Iron ore
Domestic burnt dolomite
" mass dolomite
Domestic charcoal dust

Total

Technical fuels

Generator gas
Coke-oven gas(foreign)
" " " (domestic)
Blast furnace gas
Tar gas

Total

Wages and Insurance

Direct production wages

Socialized insurance from wages

Total

Special costs

Beginning new production
Other costs

Total

Dept. costs

Costs of operating machines and other equipment
Overall department costs

Total

Final loss from rejects

Confirmed in the department
Confirmed in other departments

Total

Department costs

Overall factory costs

Overall factory cost of steel

Including: liquid steel

steel in ingots

Next 18 Page(s) In Document Denied